

Title (en)  
REPETITIVE SOUND OR VIBRATION PHENOMENA CANCELLATION ARRANGEMENT WITH MULTIPLE SENSORS AND ACTUATORS

Title (de)  
WIEDERHOLUNGS SCHALL- ODER VIBRATIONSPHÄNOMENUNTERDRÜCKUNGSANORDNUNG MIT MEHREREN FÜHLERN UND BETÄTIGERN

Title (fr)  
AGENCEMENT D'ANNULATION DE PHENOMENES SONORES OU VIBRATOIRES REPETITIFS A CAPTEURS ET ACTIONNEURS MULTIPLES

Publication  
**EP 0515518 B1 19980826 (EN)**

Application  
**EP 91904830 A 19910208**

Priority  
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• US 47946690 A 19900213

Abstract (en)  
[origin: US5091953A] Repetitive phenomena cancelling controller arrangement for cancelling unwanted repetitive phenomena comprising known fundamental frequencies. The known frequencies are determined and an electrical known frequency signal corresponding to the known fundamental frequencies of the unwanted repetition phenomena is generated. A plurality of sensors are employed in which each sensor senses residual phenomena and generates an electrical residual phenomena signal representative of the residual phenomena. A plurality of actuators are provided for cancelling phenomena signals at a plurality of locations, and a controller is utilized for automatically controlling each of the actuators as a predetermined function of the known fundamental frequencies of the unwanted repetitive phenomena and of the residual phenomena signals from the plurality of sensors. In this arrangement the plurality of actuators operate to selectively cancel discrete harmonics of the known fundamental frequencies while accommodating interactions between the various sensors and actuators.

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IPC 8 full level  
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